

I claim:

1. A groyne structure for shoreline land mass reclamation consisting of at least one groyne section, said at least one groyne section including a pair of spaced stanchions each having upper and lower ends, a set of vertically extending baffle elements positioned intermediate said pair of spaced stanchions, means for connecting said set of baffle elements to said spaced stanchions at least one linkage member extending between said pair of spaced stanchions, and means for pivotally connecting said at least one linkage member to said pair of stanchions whereby one of said pair of spaced stanchions may be elevated relative to the other of said pair of spaced stanchions while maintaining said set of vertical baffle elements in generally parallel relationship with respect one another.

2. The groyne structure of claim 1 including a plurality of linkage members extending between said pair of spaced stanchions, and means for pivotally connecting said plurality of said linkage members to said pair of spaced stanchions.

3. The groyne structure of claim 1 including means for pivotally connecting said set of vertical baffle elements to said at least one linkage member.

4. The groyne structure of claim 3 in which said at least one linkage member has slots therein, and said means for pivotally connecting to said pair of spaced stanchions includes pin means extending through said slots.

5. The groyne structure of claim 3 wherein said means for pivotally connecting said set of vertical baffle elements to said at least one linkage member includes pivot pins extending from a plurality of baffle elements forming said set of baffle elements.

6. The groyne structure of claim 1 including at least two linkage members pivotally connected to said pair of spaced stanchions in vertically spaced relationship with one another, and means for pivotally connecting each of a plurality of vertical baffle elements forming said set of vertical baffle elements to at least one of said at least two linkage members.

7. The groyne structure of claim 1 including a cap member extending between and mounted to said upper ends of each of said pair of spaced stanchions, and said cap member being in generally overlying relationship with respect to said set of vertical baffle elements.

8. The groyne structure of claim 1 including a plurality of

openings formed in each of a plurality of vertical baffle elements forming said set of vertically extending baffle elements.

9. The groyne structure of claim 8 in which said vertical baffle elements having generally similar cross sections, and said baffle elements being oriented in varying relationships with respect to one another to define tortuous fluid flow passageways therebetween.

10. The groyne structure of claim 8 in which said vertical baffle elements include baffle elements having at least two differing cross sections, and said baffle elements being arranged to define tortuous fluid flow passageways therebetween.

11. The porous groyne structure of claim 1 in which said set of vertical baffle members includes a plurality of integrally connected baffle elements having shaped cross sectional configurations which are formed of a sheet-like material.

12. The groyne structure of claim 3 in which said means for connecting said set of baffle elements to said spaced stanchions includes a tongue extending from an upper end of

each of a plurality of baffle elements forming said set, openings in each of said tongues, and means extending between said pair of spaced stanchions and extending through said openings in said tongues for thereby supporting said plurality of baffle elements relative to said pair of spaced stanchions.

13. The groyne structure of claim 12 including a second linkage member, means for pivotally connecting said second linkage member to each of said pair of spaced stanchions.

14. The groyne structure of claim 1 in which said set of baffle elements includes a plurality of vertical baffle elements disposed in spaced relationship with respect to one another to define fluid passageways therebetween.

15. The porous groyne structure of claim 1 wherein said set of vertical baffle elements includes a plurality of spaced baffle elements, said baffle elements having flanged portions, and openings formed in spaced relationship with respect to one another in said baffle elements.

16. The groyne structure of claim 1 in which said set of baffle elements includes a plurality of spaced baffle elements, each of said baffle elements having a structural cross sections selected from a group of cross sections consisting of box beam,

I-beam, T- beam, L-beam, Z-beam, U-beam or other profiled shape.

17. The groyne structure of claim 1 including a plurality of groyne sections extending in generally linear relationship with respect to one another and at least one secondary groyne section oriented transverse to said plurality of groyne sections to thereby form a breakwater relative to said plurality of groyne sections.

18. The groyne structure of claim 1 in which said set of baffle elements including a plurality of baffle elements each having at least one side edge which is interfitted with a side edge of an adjacent baffle element such that said baffle elements may be moved vertically relative to one another but are restrained from horizontal separation relative to one another.

19. The groyne structure of claim 18 including means for slidably engaging at least one of said baffle elements with one of said spaced stanchions.

20. The groyne structure of claim 18 including a plurality of openings through at least one of said baffle elements.

21. The groyne structure of claim 18 including means for elevating said baffle elements.

22. The groyne structure of claim 18 in which each of said baffle elements is formed of a corrugated sheet material.

23. A groyne structure for shoreline land mass reclamation consisting of at least one groyne section, said at least one groyne section including a pair of spaced stanchions each having upper and lower ends, a set of vertically extending baffle elements positioned intermediate said pair of spaced stanchions, means for connecting said set of baffle elements to one another and to said spaced stanchions such that said baffle elements are vertically movable relative to one another but are restrained from horizontal separation from one another and whereby said baffle elements and said pair of spaced stanchions may be elevated relative to one another while maintaining said set of vertical baffle elements in generally parallel relationship with respect to one another.

24. A method of forming a permanent or semi-permanent groyne structure for shoreline and land mass reclamation comprising the steps of:

a. providing at least one pair of spaced stanchions having upper and lower ends,

- b. providing a set of vertical baffle elements,
- c. connecting said plurality of baffle elements to said pair of spaced stanchions whereby one of said spaced stanchions may be elevated relative to the other while said plurality of baffle members are retained in generally parallel relationship to one another, and
- d. deploying said groyne structure along a shoreline so as to extend from the shore to offshore.

25. The method of claim 24 including vertically adjusting the deployed groyne structure by selectively elevating said one of said at least one pair of spaced stanchions relative to the other while retaining said plurality of baffle elements in generally parallel relationship with respect to one another and thereafter raising the other of said at least one pair of spaced stanchions to thereby arrange said plurality of baffle members in generally horizontally relationship with respect to one another.

26. The method of claim 24 including the additional step of interlocking said set of vertical baffle elements to one another such that said baffle elements are movable vertically relative to one another but are not separable horizontally.

27. The method of claim 24 including the additional step of pivotally connecting said set of vertical baffle elements relative to one another.